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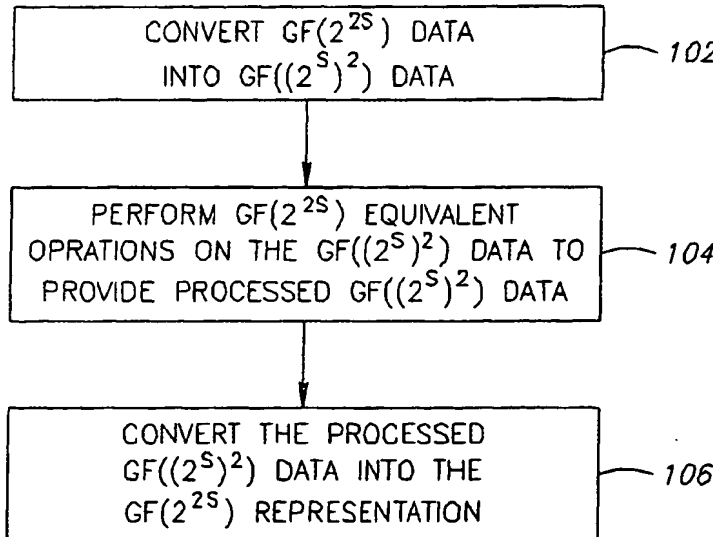
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(54) Title: METHOD AND DEVICE OF MANIPULATING DATA IN FINITE FIELDS



(57) Abstract: Embodiments of the invention provide a method and a device for manipulating data provided in a GF(2^{2s}) representation, e.g., for implementing at least some AES encryption and/or decryption operations on data provided in a GF(2^{2s}) representation, by converting the GF(2^{2s}) into a GF((2^s)²) representation (102) and performing GF(2^{2s}) equivalent operations in the GF((2^s)²) representation (104).

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